Claims

1. Greenhouse (1,28) comprising a transparent roof construction (2,29) with a longitudinal direction (L) and a transverse direction (D) located perpendicularly thereto, having various pairs of first roof surfaces (5,6,7,8,36,37) in succession in the transverse direction (D), the first roof surfaces of a predetermined pair running at an angle (θ) with respect to a horizontal from a base edge (11,11',11",30,33) oriented in the longitudinal direction (L) of the greenhouse to a common apex (9,10,38), characterised in that the greenhouse is provided with pairs of successive second roof surfaces (12,13,14,15;34,35) in the longitudinal direction (L) , which second roof surfaces extend at an angle (γ) with respect to the horizontal from a base edge (18,19,20,21;31,32) oriented in the transverse direction (D) of the greenhouse to a common apex (16,17;38).

2. Greenhouse (28) according to Claim 1, characterised in that four mutually adjoining perpendicular base edges (30,31,32,33) each time delimit a rectangle, wherein the rectangles extend successively in the longitudinal direction (L) and the transverse direction (D) of the roof construction and wherein, for each rectangle, first and second pairs of roof surfaces (34,35,36,37) extend from the base edges (30,31,32,33) to a common apex (38) located above the rectangle concerned.

3. Greenhouse (1) according to Claim 1, characterised in that the pairs of first roof surfaces (5,6,7,8) are in contact with one another along edges at the apex (9,10), wherein the base edges (11,11',11") and the edges at the apex (9,10) of the pairs of first roof surfaces (5,6,7,8) extend parallel to one another in the longitudinal direction (L), wherein the pairs of second roof surfaces (12,13,14,15) are in contact with one another along edges at the apex (16,17) and wherein the base edges (18,19,20,21) and the edges at the apex (16,17) of the second pairs of roof surfaces (12,13,14,15) extend parallel to one another from a base edge (11,11',11") of ~~a first roof surface (5,6,7,8) to the edge at the apex (9,10) of the first roof surface concerned~~.

4. Greenhouse (1,28) according to one of the preceding claims, characterised in that the roof surfaces (52,53,54,55) are of double-walled construction, having a base sheet (51,73,74) and transverse links (58,59,75,76,77) between the points of the apexes and/or

the base edges (60,61,62,63,78,79) of the roof surfaces and the base sheet.

5. Greenhouse (1,28) according to Claim 3 or 4, characterised in that a distance (d_2,d_3,d_4) between the base edges (18,19,20,21,78,79) of the pairs of second roof surfaces (12,13,14,15,71,72) is between 0.5 and 0.001 times the distance (d_1) between the base edges (11,11',11") of the pairs of first roof surfaces (5,6,7,8).

6. Greenhouse (1,28) according to Claim 3, 4 or 5, characterised in that a perpendicular distance (h_2,h_5) between the edge at the apex (16,17,27,28) and the base edges (18,19,20,21,60,61,62,63) of the pairs of second roof surfaces is between 0.5 and 0.001 times the perpendicular distance between the edge at the apex (9,10) and the base edges (11,11',11") of the pairs of first roof surfaces (5,6,7,8).

7. Roof element (50,80) for use in a greenhouse, provided with various pairs of roof surfaces (52,53,54,55,82,83) in succession in a transverse direction (D) and a base sheet (51,81), wherein the roof surfaces of a predetermined pair run at an angle (θ) with respect to the base sheet from a base edge (60,61,62,63,86,88) oriented in a longitudinal direction (L) to a common apex (56,57,90), which roof surfaces (52,53,54, 55,82,83) are joined to the base sheet along the base edges and/or at the location of the apex.

8. Roof element (80) according to Claim 7, characterised in that the roof element is furthermore provided with pairs of second roof surfaces (84,85) in succession in a longitudinal direction (L) which run at an angle with respect to the base sheet (81) from a base edge (87,89) oriented in a transverse direction (D) to a common apex (90), wherein four base edges (86,87,88,89) perpendicular to one another always delimit a rectangle, wherein the rectangles extend successively in the longitudinal direction (L) and the transverse direction (D) of the base sheet (81) and wherein, for each rectangle, first and second pairs of roof surfaces (82,83,84,85) extend from ~~the base edges (86,87,88,89) to a common apex (90) located above the rectangle concerned~~.

9. Roof element (50,80) according to Claim 7 or 8, characterised in that a distance between the base sheet (51,81) and the apex (56,57,90) is between 1 cm and 10 cm, preferably between 1.5 cm and 3 cm.

10. Roof element (50,80) according to Claim 7, 8 or 9, characterised in that the distance (d_3,d_4) between the base edges is between 1 cm and 10 cm, preferably between 1.5 cm and 3 cm.

11. Roof element (50,80) according to Claim 7, 8 or 9, characterised in that the angle (θ) of the roof surfaces is between 30° and 75°, preferably between 45° and 75°.

12. Roof element (50,80) according to one of Claims 7 to 11, characterised in that the roof element consists of one piece and is made from transparent plastic having a wall thickness of between 0.5 mm and 5 mm, preferably between 0.5 mm and 2 mm.

13. Roof element (76,77) according to one of Claims 7 to 12, characterised in that the roof element is provided with coupling means (78,79) for joining to a similar roof element.